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Form PTO-1449 Modified		Docket No. 00188US/PHRM-0340	Serial No. 09/899,495
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Christopher W. Benjamin et al.	
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<i>BL</i>	AA	Akane, A., et al., "direct dideoxy sequencing of genomic DNA by ligation-mediated PCR," <i>Biotechniques</i> , 1994, 16(2), 238-241 (page 239 - advertisement)
	AB	Altschul, S. F., et al., "Basic local alignment search tool," <i>J. Mol. Biol.</i> , 1990, 215, 403-410
	AC	Altschul, S. F., et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Research</i> , 1997, 25(17), 3389-3402
	AD	American Veterinary Medical Association, <i>Report of the American Veterinary Medical Assoc.</i> , Panel on Euthanasia, <i>Journal of American Veterinary Medical Assoc.</i> , 1993, 202, 229-249
	AE	Anderson, W. F., "Human gene therapy," <i>Science</i> , 1992, 256, 808-813
	AF	Anderson, W.F., "Human gene therapy," <i>Nature</i> , Supplement to Vol. 392(6679), 1998; 25-30
	AG	Aukrust, P., et al., "Enhanced levels of soluble and membrane-bound CD40 ligand in patients with unstable angina; Possible Reflection of T lymphocyte and platelet involvement in the pathogenesis of acute coronary syndromes," <i>Circulation</i> , 1999, 100, 614-620
	AH	Ausubel, et al. (Eds.), "Chapter 6, Screening of recombinant DNA libraries," <i>Current Protocols in Molecular Biology</i> , 1994, John Wiley & Sons, 6.0.1-6.4.10
*	AI	Ausubel, et al. (Eds.), <i>Current Protocols in Molecular Biology</i> , New York, 1987-1999, John Wiley & Sons, Inc.
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	AL	Benoist C., et al., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> , 1981 , 290, 304-310		
*	AM	Berger, et al., <i>Guide to Molecular Cloning Techniques</i> , Methods in Enzymology 152, 1987 , Academic Press, Inc., San Diego, CA		
	AN	Bossé, R., et al., "Development of nonseparation binding and functional assays for G protein-coupled receptors for high throughput screening: Pharmacological characterization of the immobilized CCR5 receptor on FlashPlate®," <i>J. Biomolecular Screening</i> , 1998 , 3(4), 285-292		
	AO	Breeden, L., et al., "Regulation of the yeast HO gene," <i>Cold Spring Harb. Symp. Quant. Biol.</i> , 1985 , Vol. L, <i>Molecular Biology of Development</i> , 643-650		
	AP	Broeck, V., "G-protein-coupled receptors in insect cells," <i>Int. Rev. Cytology</i> , 1996 , 164, 189-268		
	AQ	Capechi, M. R., "Altering the genome by homologous recombination," <i>Science</i> , 1989 , 244, 1288-1292		
	AR	Chambers, R. C., et al., "Thrombin stimulates fibroblast procollagen production via proteolytic activation of protease-activated receptor 1," <i>Biochem J.</i> , 1998 , 333, 121-127		
	AS	Choo, Y., et al., "Promoter-specific activation of gene expression directed by bacteriophage-selected zinc fingers," <i>J. Mol. Biol.</i> , 1997 , 273, 525-532		
↓	AT	Cicala, C., et al., "Bronchoconstrictor effect of thrombin and thrombin receptor activating peptide in guinea-pigs <i>in vivo</i> ," <i>Br. J. Pharmacol.</i> , 1999 , 126, 478-484		
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<i>BL</i>	AW	Colotta, F., et al., "Expression of monocyte chemotactic protein-1 by monocytes and endothelial cells exposed to thrombin," <i>Am. J. Pathol.</i> , 1994 , 144, 975-985		
	AX	Conley, "The Ion Channels FactsBook Vol I. Extracellular Ligand-Gated Channels", Academic Press, London & San Diego, pp 426		
<i>BL</i>	AY	Cosman, D., et al., "Cloning, sequence and expression of human interleukin-2 receptor," <i>Nature</i> , 1984 , 312, 768-771		
	AZ	Cosman, D., et al., "High Level Stable Expression of Human Interleukin-2 receptors in Mouse Cells Generates only Low Affinity Interleukin-2 Binding Sites," <i>Mol. Immunol.</i> , 1986 , 23(9), 935-941		
*	BA	<i>Current Protocols in Molecular Biology</i> , 1999, John Wiley & Sons, New York		
	BB	Cutting, G. R., "Cloning of the γ -aminobutyric acid (GABA) $\rho 1$ cDNA: A GABA receptor subunit highly expressed in the retina," <i>Proc. Natl. Acad. Sci. USA</i> , April 1991, 88, 2673-2677		
	BC	Dayoff, in <i>Atlas of Protein Sequence and Structure</i> , 1972, National Biochemical Research Foundation, Washington, D.C., 5, 124		
↓	BD	DiCuccio, M. N., et al., "A functional tethered ligand thrombin receptor is present on human hematopoietic progenitor cells," <i>Exp. Hematol.</i> , 1996 , 24, 914-918		
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	BF	Douglas, A. M., et al., "Direct sequencing of double-stranded PCR products incorporating a chemiluminescent detection procedure," <i>Biotechniques</i> , 1993, 14, 824-828		
	BG	Drmanac, S., et al., "Accurate sequencing by hybridization for DNA diagnostics and individual genomics," <i>Nature Biotechnology</i> , 1998, 16, 54-58		
	BH	Dunlop, J., et al., "Characterization of 5-HT _{1A} receptor functional coupling in cells expressing the human 5-HT _{1A} receptor as assessed with the cytosensor microphysiometer," <i>J. Pharmacological and Toxicological Methods</i> , 1998, 40(1), 47-55		
*	BI	Eisenthal, R., et al. (Eds.) In Enzyme Assays, <i>A Practical Approach</i> , 1992, Oxford University Press		
	BJ	Fields, S., et al., "A novel genetic system to detect protein-protein interactions," <i>Nature</i> , 1989, 340, 245-246		
	BK	Fields, S., et al., "The two-hybrid system: an assay for protein-protein interactions," <i>Trends in Genetics</i> , 1994, 10(8), 286-292		
	BL	Fink, M. et al., "Cloning, functional expression and brain localization of a novel unconventional outward rectifier K ⁺ channel," <i>The EMBO Journal</i> , 1996, 15(24), 6854-6862		
	BM	Fischer, S. G., et al., "DNA fragments differing by single base-pair substitutions are separated in denaturing gradient gels: Correspondence with melting theory," <i>Proc. Natl. Acad. Sci. USA</i> , 1983, 80, 1579-1583		
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	BP	Gill, J. S., et al., "Thrombin induced inhibition of neurite outgrowth from dorsal root ganglion neurons," <i>Brain Res.</i> , 1998 , 797, 321-327
	BQ	Greisman, H. A., et al., "A general strategy for selecting high-affinity zinc finger proteins for diverse DNA target sites," <i>Science</i> , 1997 , 275, 657-661
*	BR	Harlow, et al. (Eds.), <i>Antibodies A Laboratory Manual</i> , 1988 , Cold Spring Harbor Laboratory; Cold Spring Harbor, New York
	BS	Hauck, R. W., et al., " α -thrombin stimulates contraction of human bronchial rings by activation of protease-activated receptors," <i>Am J. Physiol.</i> , 1999 , 277, L22-L29
*	BT	Haugland, <i>Handbook of Fluorescent probes and Research Chemicals</i> , 6 th Ed., 1996 , Eugene OR: Molecular Probes
	BU	Henikoff, S., et al., "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad. Sci. USA</i> , 1992 , 89, 10915-10919
*	BV	Hershey, A. D., (Ed.), <i>The Bacteriophage Lambda</i> , 1973 , Cold Spring Harbor Press, Cold Spring Harbor, New York
	BW	Hill, D. C., "Trends in development of high-throughput screening technologies for rapid discovery of novel drugs," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998 , 1(1), 92-97
↓	BX	Hodgson, J., "Receptor screening and the search for new pharmaceuticals," <i>Bio/Technology</i> , 1992 , 10, 973-980

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	BZ	Jan, L. Y. et al., "Voltage-gated and inwardly rectifying potassium channels," <i>J. of Physiology</i> , 1997 , <i>505</i> (2), 267-282		
	CA	Jayawickreme, C. K., et al., "Gene expression systems in the development of high-throughput screens, <i>Current Opinion in Biotechnology</i> , 1997 , <i>8</i> , 629-634		
	CB	Karlin, S., et al., "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc. Natl. Acad. Sci. USA</i> , 1993 , <i>90</i> , 5873-5877		
	CC	Kieleczawa, J., et al., "DNA sequencing by primer walking with strings of contiguous hexamers," <i>Science</i> , 1992 , <i>258</i> , 1787-1791		
	CD	Kim, J., et al., "Design of TATA box-binding protein/zinc finger fusions for targeted regulation of gene expression," <i>Proc. Natl. Acad. Sci. USA</i> , 1997 , <i>94</i> , 3616-3620		
	CE	Krogh, A. et al., "Hidden Markov Models in Computational Biology," <i>J. Mol. Biol.</i> , 1994 , <i>253</i> , 1501-1531		
*	CF	Kruse et al. (eds.), in <i>Tissue Culture</i> , Academic Press, 1973		
	CG	Kuntzweiler, T. A., et al., "Rapid assessment of ligand actions with nicotinic acetylcholine receptors using calcium dynamics and FLIPR," <i>Drug Development Research</i> , 1998 , <i>44</i> (1), 14-20		
↓	CH	Lehninger, "Chapter 4, The amino acid building blocks of proteins," <i>Biochemistry</i> , 2 nd Ed., 1975 , Worth Publishers, Inc., New York, New York, 71-77		
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	CJ	Levin, E. D. et al., "AR-R 17779, an α 7 nicotinic agonist, improves learning and memory in rats," <i>Behavioural Pharmacology</i> , 1999, 10 (6/7), 675-780		
	CK	Lin, A. H., et al., "The oxazolidinone eperezolid binds to the 50S ribosomal subunit and competes with binding of chloramphenicol and lincomycin," <i>Antimicrobial Agents and Chemotherapy</i> , 1997, 41(10), 2127-2131		
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	CM	Liu, Q., et al., "Design of polydactyl zinc-finger proteins for unique addressing within complex genomes," <i>Proc. Natl. Acad. Sci. USA</i> , 1997, 94, 5525-5530		
*	CN	Lodish et al., <i>Molecular Cell Biology</i> , 1997, ISBN:0-7167-2380-8		
	CO	Luckow, V. A., et al., "High Level Expression of Nonfused Foreign Genes with <i>Autographa californica</i> Nuclear Polyhedrosis Virus Expression Vectors," <i>Virology</i> , 1989, 170, 31-39		
	CP	Luckow, V. A., et al., "Trends in the development of baculovirus expression vectors," <i>Bio/Technology</i> , 1988, 6, 47-55		
	CQ	Mahajan, N. P. et al., "Bcl-2 and Bax interactions in mitochondria probed with green fluorescent protein and fluorescence resonance energy transfer," <i>Nature Biotechnology</i> , June 1998, 16, 547-552		
↓	CR	Maxam, A. M., et al., "Sequencing end-labeled DNA with base-specific chemical cleavages", <i>Meth. Enzymol.</i> , 1977, Vol. 65, 499-560		
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	CT	Miller, A. D., "Human gene therapy comes of age", <i>Nature</i> , 1992, Vol. 357, pp. 455-460
	CU	Mirzabekov, A. D., "DNA sequencing by hybridization - A megasequencing method and a diagnostic tool?", <i>TIBTECH</i> , 1994, Vol. 12, 27-32
	CV	Morris, R., et al., "Thrombin receptor expression in rheumatoid and osteoarthritic synovial tissue", <i>Ann. Rheum. Dis.</i> , 1996, Vol. 55, 841-843
	CW	Murphy, A. J., et al., "From DNA to drugs: the orphan G-protein coupled receptors," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(2), 192-199
	CX	Myers, R. M., et al., "Detection of single base substitutions by ribonuclease cleavage at mismatches in RNA: DNA duplexes", <i>Science</i> , 1985, Vol. 230, 1242-1246
	CY	Myers, P., "Will combinatorial chemistry deliver real medicines," <i>Curr. Opin. Biotechnology</i> , 1997, 8, 701-707
<i>BL</i>	CZ	Nakayama, G. R., "Microplate assays for high-throughput screening," <i>Cur. Opinion Drug Disc. Dev.</i> , 1998, 1(1), 85-91
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	DD	Orita, M., et al., "Detection of polymorphisms of human DNA by gel electrophoresis as single-strand conformation polymorphisms," <i>Proc. Natl. Acad. Sci. USA</i> , 1989 , 86, 2766-2770		
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	DF	Parodi, L. A., et al., "A consensus procedure for predicting the location of α -helical transmembrane segments in proteins," <i>Comput. Appl. Biosci.</i> , 1994 , 10(5), 527-535		
	DG	Pastinen, T., et al., "Minisequencing: A specific tool for DNA analysis and diagnostics on oligonucleotide arrays," <i>Genome Res.</i> , 1997 , 7, 606-614		
	DH	Patel, A. J. et al., "Inhalational anesthetic activate two-pore-domain background K ⁺ channels", <i>Nature Neuroscience</i> , 1999 , 2, pp 422-426		
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Form PTO-1449 Modified			Docket No. 00188US/PHRM-0340	Serial No. 09/899,495
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)			Applicant Christopher W. Benjamin et al.	
U.S. Department of Commerce Patent and Trademark Office			Filing Date July 5, 2001	Group 1647 Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
<i>Bl</i>	EG	Summers, et al., <i>A Manual of Methods for Baculovirus Vectors and Insect Cell Culture Procedures</i> , Texas Agricultural Experimental Station Bulletin No. 1555, 1987, 2-46		
	EH	Sweetnam, P. M., et al., "The role of receptor binding in drug discovery," <i>J. Natural Products</i> , 1993, 56(4), 441-455		
	EI	Trejo, J., et al., "The cloned thrombin receptor is necessary and sufficient for activation of mitogen-activated protein kinase and mitogenesis in mouse lung fibroblasts," <i>J. Biol. Chem.</i> , 1996, 271, 21536-21541		
	EJ	Tsien R. Y., "The Green Fluorescent Protein," <i>Annu. Rev. Biochem.</i> , 1998, 67, 509-544		
	EK	Turgeon, V. L., et al., "Thrombin perturbs neurite outgrowth and induces apoptotic cell death in enriched chick spinal motoneuron cultures through caspase activation," <i>J. Neurosci.</i> , 1998, 18(17), 6882-6891		
	EL	Ubl, J. J., et al., "Characteristics of thrombin-induced calcium signals in rat astrocytes," <i>Glia</i> , 1997, 21, 361-369		
	EM	Grabham, P., et al., Thrombin receptor activation stimulates astrocyte proliferation and reversal of stellation by distinct pathways: involvement of tyrosine phosphorylation," <i>J. Neurochem.</i> , 1995, 64, 583-591		
	EN	Verma, I. M., "Gene therapy," <i>Scientific American</i> , 1990, 68-84 (pages 73-80 and 83 are advertisements)		
	EO	Wahlestedt, C. et al., "Potent and nontoxic antisense oligonucleotides containing locked nucleic acids," <i>PNAS</i> , May 9, 2000, 97(10), 5633-5638		
<i>↓</i>	EP	White, M. B., et al., "Detecting single base substitutions as heteroduplex polymorphisms," <i>Genomics</i> , 1992, 12, 301-306		
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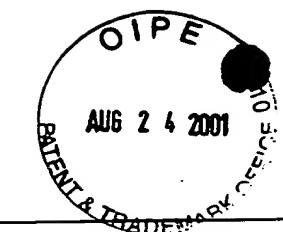
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List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		
U.S. Department of Commerce Patent and Trademark Office		
		Docket No. 00188US/PHRM-0340
		Serial No. 09/899,495
		Applicant Christopher W. Benjamin et al.
		Filing Date July 5, 2001
		Group 1647 Not Yet Assigned
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>PL</i>	EQ	Wieboldt, R., et al., "Immunoaffinity ultrafiltration with ion spray HPLC/MS for screening small-molecule libraries," <i>Anal. Chem.</i> , 1997 , <i>69</i> (9), 1683-1691
	ER	Williams, M., "Receptor binding in the drug discovery process," <i>Medicinal Research Reviews</i> , 1991 , <i>11</i> (2), 147-184
<i>↓</i>	ES	Wu, H., et al., "Building zinc fingers by selection: toward a therapeutic application," <i>Proc. Natl. Acad. Sci. USA</i> , 1995 , <i>92</i> , 344-348
EXAMINER	<i>David</i>	
	DATE CONSIDERED <i>7/31/03</i>	

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List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Christopher W. Benjamin, et al.	
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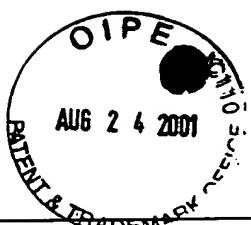
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Examiner Initial		Document No.	Date	Name	Class	Subclass
BL	ET	4,399,216	08/16/83	Axel, et al.	435	6
	EU	4,683,195	07/28/87	Mullis, et al.	435	6
	EV	4,683,202	07/28/87	Mullis	435	6
	EW	4,879,236	11/07/89	Smith, et al.	435	235
	EX	5,202,231	04/13/93	Drmanac, et al.	435	6
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↓	EZ	5,585,277	12/17/96	Bowie, et al.	436	518

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Examiner Initial		Document No.	Date	Country	Translation YES	NO
BL	FA	WO 91/09955	07/11/91	PCT		
	FB	WO 91/18982	12/12/91	PCT		
	FC	WO 92/20808	11/26/92	PCT		
	FD	WO 93/11236	06/10/93	PCT		
	FE	WO 94/12650	06/09/94	PCT		
	FF	WO 95/20652	08/03/95	PCT		
↓	FG	WO 96/22976	08/01/96	PCT		

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Form PTO-1449 Modified		Docket No. 00188US-PHRM-0340	Serial No. 09/899,495
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Christopher W. Benjamin, et al.	
U.S. Department of Commerce Patent and Trademark Office		Filing Date July 5, 2001	Group 16-17 Not Yet Assigned

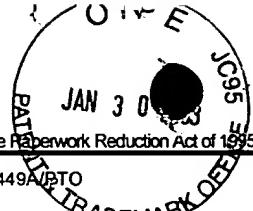
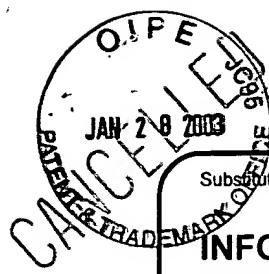
U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO
<i>BL</i>	FH	WO 97/09433	03/13/97	PCT	
<i>J</i>	FI	WO 98/37177	08/27/98	PCT	
<i>J</i>	FJ	0 367 566 A	05/09/90	EPO	

EXAMINER *Christopher W. Benjamin* DATE CONSIDERED 7/31/03



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Sheet 1 of 2

<i>Complete if Known</i>	
Application Number	09/899,495
Date	July 5, 2001
Named Inventor	Christopher W. B.
Art Unit	1646- 1647
Owner Name	not yet known ↗
Key Docket Number	PHRM0018-100

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STATEMENT BY APPLICANT

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Sheet

2

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2

Complete if Known

Application Number	09/899,495
Filing Date	July, 5, 2001
First Named Inventor	Christopher W. Benjamin
Group Art Unit	1646-1647
Examiner Name	not yet known LANDSMAN

Attorney Docket Number PHRM0018-100

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BL	BA	Birren, et al., EMBL Acc. No. AC011116, October 6, 1999	
	BB	Deneris, et al., "Beta3: A New Member of Nicotinic Acetylcholine Receptor gene Family Is Expressed in Brain," J. Biol. Chem. (1989) 264(11):6266-6272	
	BC	Cooper, et al., "Ion channel genes and human neurological disease: Recent progress, prospects and ,," Proc. Natl. Acad. Sci. USA (1999) 96:4759-4766	
	BD	Adams, et al., EMBL Acc. No. AQ315444, December 23, 1998	
↓	BE	Miyake et al., "Molecular Cloning of Human 5-Hydroxytryptamine-3 Receptor: Heterogeneity in Distribution and Function Among Species," Mol. Pharmacol. (1995) 48(3):407-416	

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